Receipt date: 11/12/2004

Sheet

Approved feetuse through 10/31/2

1 0 50 64 Fig. 60 TO SEAS (08-70) 3 Les through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark ons are required to respond to a collection of informa

U.S. DEPARTMENT OF COMMERCE nless it contains a valid OMB control

Under the Paperwork Reduction Act of 1995, rumber.

n

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: November 12, 2004

(use as many sheets as necessary)

1 of 1

Complete if Known				
Application Number	Unassigned 10/514906			
Filing Date	11/12/2004			
First Named Inventor	Tomohisa ARAI			
Group Art Unit	Unassigned			
Examiner Name	Unassigned			
Attorney Docket Number	086531-0138			

				U.S. PATENT DOCUMENTS	}	
Examiner Initials*	2::	U.S. Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant
	Cite No. <sup>1</sup>	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
			Known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	A1	JP	1-156445	A	TOSHIBA CORP.	06-20-1989		
	A2	JP	64-73059	A	SEIKO INSTRUMENTS INC.	03-17-1989		
	A3	JP	59-40902	B2	TOSHIBA CORP.	10-03-1984		
	A4	JP	10-127957	Α	NORITAKE CO., LTD. et al	05-19-1998		Abs.
	A5	JP	2002-88431	Α	TOSHIBA CORP.	03-27-2002		Abs.
	A6	JP	2001-62595	Α	TOSHIBA CORP et al.	03-13-2001		Abs.
	A7	JP	2001-62594	Α	TOSHIBA CORP.	03-13-2001		Abs.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>®</sup>	
		·		

Examiner . Signature	/Tima Mcguthry Banks/ (01/31/2010)	Date Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.